AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended): A solid electrolyte comprising [[an]] <u>sintered</u> inorganic substance <u>powder</u> comprising a lithium ion conductive crystalline <u>and being said sintered inorganic substance</u> powder being in an amount within a range from 50 mass % to 98 mass %,

wherein said solid electrolyte is substantially free of an organic substance and an electrolytic solution, and

said solid electrolyte has a thickness of 25 µm or over.

- 2. (Currently Amended): A solid electrolyte as defined in claim 1 wherein the inorganic substance <u>powder</u> comprising a lithium ion conductive crystalline is substantially free of a pore or a crystal grain boundary which obstructs ion conduction.
- 3. (Currently Amended): A solid electrolyte as defined in claim 1 wherein the inorganic substance <u>powder</u> comprising a lithium ion conductive crystalline is lithium ion conductive glass-ceramics.
- 4. (Original): A solid electrolyte as defined in claim 1 comprising an inorganic substance powder comprising a lithium ion conductive crystalline and an inorganic substance comprising Li.
- 5. (Currently Amended): A solid electrolyte as defined in claim 4 wherein the inorganic substance powder comprising a lithium ion conductive crystalline has ion conductivity of 10⁻⁴Scm⁻¹

or over, has an average particle diameter of 9 μ m or below, and is contained in the solid electrolyte in an amount within a range from 50 mass% to 95 mass%.

- 6. (Original): A solid electrolyte as defined in claim 3 wherein the ion conductive glass-ceramics are in the form of a thin plate.
 - 7. (Cancelled).
- 8. (Original): A solid electrolyte as defined in claim 1 having ion conductivity which is 10⁻⁵ Scm⁻¹ or over.
- 9. (Currently Amended): A solid electrolyte as defined in claim 1 wherein the inorganic substance <u>powder</u> comprising a lithium ion conductive crystalline has a predominant crystal phase of $Li_{1+x+y}Al_xTi_{2-x}Si_yP_{3-y}O_{12}$ where $0 \le x \le 1$ and $0 \le y \le 1$.
- 10. (Currently Amended): A solid electrolyte as defined in claim 1 wherein the inorganic powder substance comprising a lithium ion conductive crystalline comprises, in mol %;

$$Li_2O$$
 12 – 18%

$$Al_2O_3 + Ga_2O_3$$
 5 - 10%

$$TiO_2 + GeO_2$$
 35 – 45%

$$SiO_2$$
 1 – 10% and

$$P_2O_5$$
 30 – 40%.

11. (Currently Amended): A solid electrolyte as defined in claim 1 wherein the inorganic substance powder comprising a lithium ion conductive crystalline comprises, in mass %;

$$\text{Li}_2\text{O}$$
 3 – 10%

$$Al_2O_3 + Ga_2O_3$$
 5 – 20%

$$TiO_2 + GeO_2$$
 25 – 40%

$$SiO_2$$
 0.5 – 8% and

$$P_2O_5$$
 40 – 55%.

- 12. (Withdrawn): A lithium ion secondary battery comprising a solid electrolyte as defined in claim 1.
- 13. (Withdrawn): A lithium ion secondary battery as defined in claim 12 comprising an inorganic substance comprising a lithium ion conductive crystalline in a positive electrode and/or a negative electrode.
- 14. (Withdrawn): A lithium ion secondary battery as defined in claim 13 wherein the inorganic substance comprising a lithium ion conductive crystalline contained in the positive electrode and/or the negative electrode is substantially free of a pore or a crystal grain boundary which obstructs ion conduction.

15. (Withdrawn): A lithium ion secondary battery as defined in claim 13 wherein the inorganic substance comprising a lithium ion conductive crystalline contained in the positive electrode and/or the negative electrode is a lithium ion conductive glass-ceramics.

16. (Withdrawn): A lithium ion secondary battery as defined in claim 13 wherein an average particle diameter of the inorganic substance comprising a lithium ion conductive crystalline contained in the positive electrode and/or the negative electrode is 1/5 or below of an average particle diameter of an active material of the positive electrode and/or the negative electrode comprising an inorganic substance comprising a lithium ion conductive crystalline.

17. (Withdrawn): A lithium ion secondary battery as defined in claim 13 wherein an amount of the inorganic substance comprising a lithium ion conductive crystalline contained in the positive electrode and/or the negative electrode is 2-35 mass % of an active material of the positive electrode and/or the negative electrode.

18. (Withdrawn): A lithium ion secondary battery as defined in claim 13 wherein the inorganic substance comprising a lithium ion conductive crystalline contained in the positive electrode and/or the negative electrode comprises, in mol %;

$$Li_2O$$
 12 – 18%

$$Al_2O_3 + Ga_2O_3$$
 5 – 10%

$$TiO_2 + GeO_2$$
 35 – 45%

$$SiO_2$$
 1 – 10% and

$$P_2O_5$$
 30 – 40%.

19. (Withdrawn): A lithium ion secondary battery as defined in claim 13 wherein the inorganic substance comprising a lithium ion conductive crystalline contained in the positive electrode and/or the negative electrode comprises, in mass %;

$$Li_2O$$
 3 – 10%

$$Al_2O_3 + Ga_2O_3$$
 5 – 20%

$$TiO_2 + GeO_2$$
 25 – 40%

$$SiO_2$$
 0.5 – 8% and

$$P_2O_5$$
 40 – 55%.

- 20. (Withdrawn): A lithium ion secondary battery as defined in claim 13 wherein the inorganic substance comprising a lithium ion conductive crystalline contained in the positive electrode and/or the negative electrode has a predominant crystal phase of $Li_{1+x+y}Al_xTi_{2-x}Si_yP_{3-y}O_{12}$ where $0 \le x \le 1$ and $0 \le y \le 1$.
- 21. (Withdrawn): A lithium ion secondary battery as defined in claim 13 which comprises, in the positive electrode and/or the negative electrode, the same inorganic substance as the inorganic substance comprising a lithium ion conductive crystalline contained in the solid electrolyte.